

CLAIMS,

1. A casted concrete block surface roughing machine comprising an in-line conveyor displaceable over a stationary horizontal support surface for sliding supporting a lower face of concrete blocks displaced thereon by said conveyor, said in-line conveyor having at least two pairs of spaced apart vertically supported conveyor belts disposed to engage opposed side faces of said concrete blocks to displace them along said stationary horizontal support surface, one of said pairs of conveyor belts engaging said opposed side faces in a lower surface section thereof to expose an upper surface section thereof to be abrade by respective surface abrading devices, the other of said pairs of conveyor belts engaging said opposed side faces in said upper surface section thereof to be abraded by further respective surface abrading devices

2. A casted concrete block surface roughing machine as claimed in claim 1 wherein there is further provided along said in-line conveyor a top surface abrading device for abrading a top surface of said concrete blocks conveyed thereunder by said vertically supported conveyor belts.

3. A casted concrete block surface roughing machine as claimed in claim 3 wherein there is still further provided along said in-line conveyor opposed upper side edge abrading devices for abrading a top side edge of opposed side faces of said concrete blocks conveyed thereby by said one of said pairs of conveyor belts.

4. A casted concrete block surface roughing machine as claimed in claim 3 wherein there is also provided along said in-line conveyor opposed lower side edge abrading devices for abrading a lower side edge of opposed side faces

of said concrete blocks conveyed thereby by said other of said pairs of conveyor belts.

5. A casted concrete block surface roughing machine as claimed in claim 4 wherein there is further provided one or more top surface finishing abrading devices to smoothen a top rough surface or said concrete blocks, said concrete blocks fed to an inlet of said in-line conveyor having smooth contour flat surfaces.

6. A casted concrete block surface roughing machine as claimed in claim 5 wherein a last one of said one or more top surface abrading devices is a rotating brush.

7. A casted concrete block surface roughing machine as claimed in claim 1 wherein said abrading devices are comprised by a plurality of steel chains secured to a motor driven axle assembly secured to a support frame and oriented to impact onto specific areas of said concrete blocks.

8. A casted concrete block surface roughing machine as claimed in claim 7 wherein said support frame is an adjustable support frame, and means to displace said support frame to position said abrading device secured thereto at a desired position relative to said concrete blocks conveyed along said in-line conveyor.

9. A casted concrete block surface roughing machine as claimed in claim 8 wherein said motor driven axle is connected to an electric motor secured to said support frame by a pivot adjustment bracket to permit said motor and associated axle to be positioned at a tilt angle.

10. A casted concrete block surface roughing machine as claimed in claim 1 wherein said pairs of spaced apart

vertically supported conveyor belts are pressure biased against said opposed side faces of said concrete blocks.

11. A casted concrete block surface roughing machine as claimed in claim 10 wherein said conveyor belts of said two pairs of conveyor belts are each trained between a pair of pulleys, at least one said pulleys being adjustable, displaceable to adjust the tension of its associated conveyor belt, a straight backing wall disposed behind a straight run of said conveyor belt which is in contact with concrete blocks conveyed thereby, said straight backing wall being adjustably displaceable in parallel relationship to an opposed wall of the other conveyor belt to receive blocks of different widths between said pairs of conveyor belts.

12. A casted concrete block surface roughing machine as claimed in claim 1 wherein said straight backing wall being pressure biased against its associated belt straight run to apply pressure of straight run against said concrete blocks side faces.

13. A casted concrete block surface roughing machine as claimed in claim 1 wherein there is further provided a debris collecting trough and conveyor for receiving and discharging stone dust and particles from under said in-line conveyor.

14. A casted concrete block surface roughing machine as claimed in claim 5 wherein there is still further provided a bottom surface abrading device supported under said stationary horizontal support surface in an opening thereof whereby to expose a section of a bottom surface of said concrete block as it is conveyed over said opening to be abraded by said bottom surface abrading device.

15. A casted concrete block surface roughing machine as claimed in claim 2 wherein said stationary horizontal support surface is constituted by one or more straight flat steel bars disposed along a straight conveyor path.